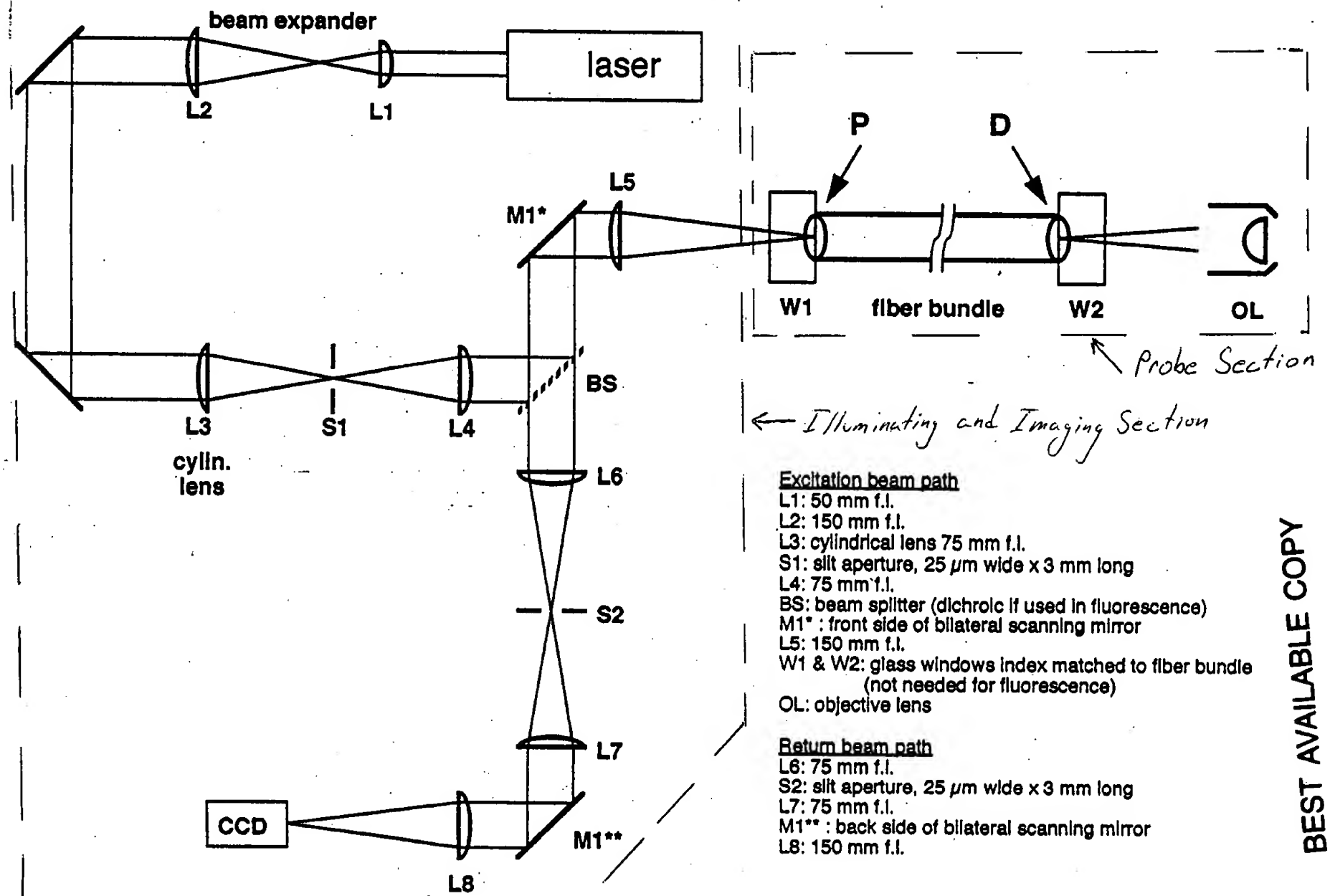
approved DS 7/6/02



Excitation beam path
L1: 50 mm f.l.
L2: 150 mm f.l.
L3: cylindrical lens 75 mm f.l.
S1: slit aperture, 25 μm wide x 3 mm long
L4: 75 mm f.l.
BS: beam splitter (dichroic if used in fluorescence)
M1* : front side of bilateral scanning mirror
L5: 150 mm f.l.
W1 & W2: glass windows index matched to fiber bundle (not needed for fluorescence)
OL: objective lens

Return beam path
L6: 75 mm f.l.
S2: slit aperture, 25 μm wide x 3 mm long
L7: 75 mm f.l.
M1** : back side of bilateral scanning mirror
L8: 150 mm f.l.

FIG. 2A

Illuminating and Imaging Section

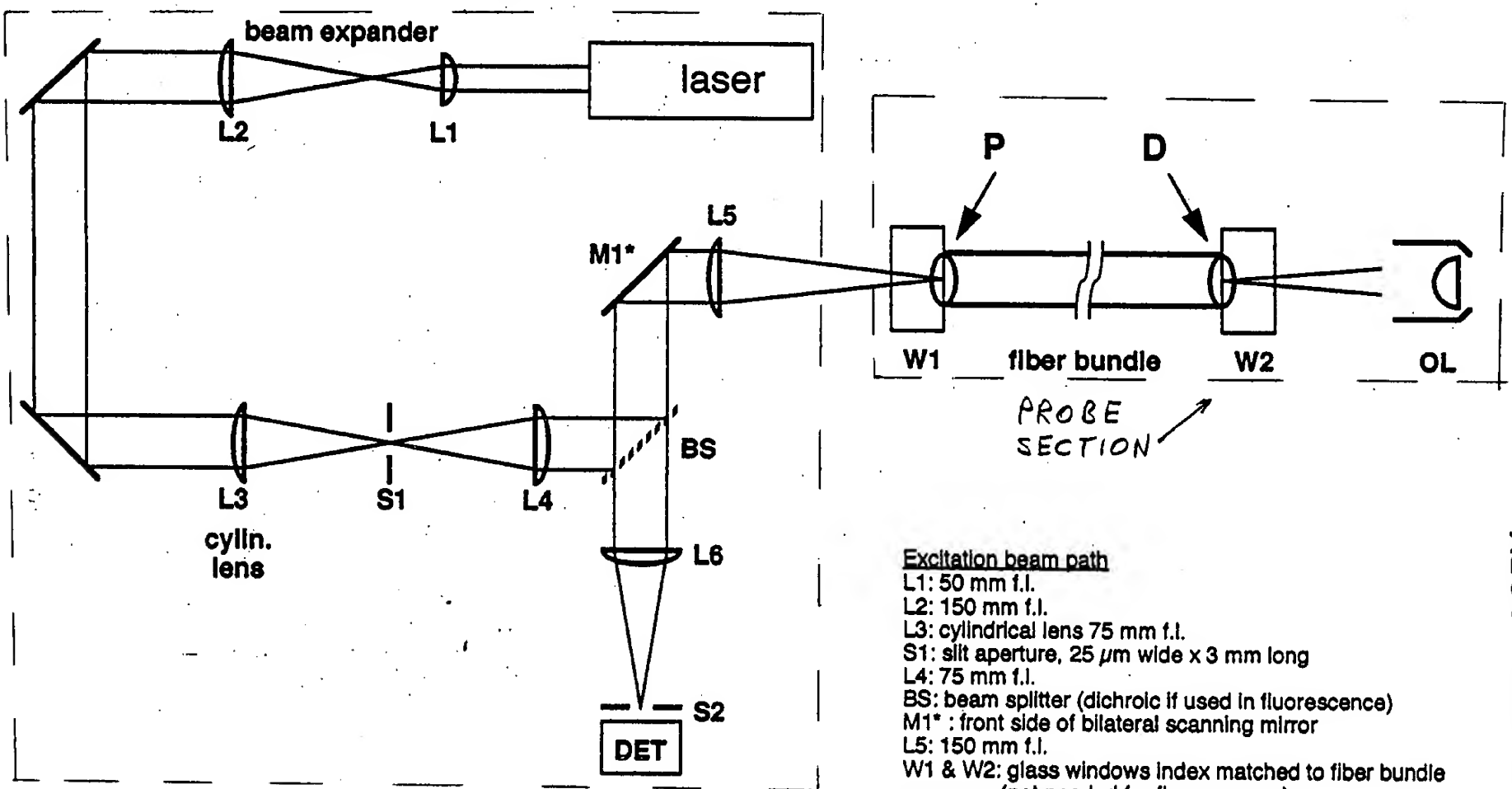
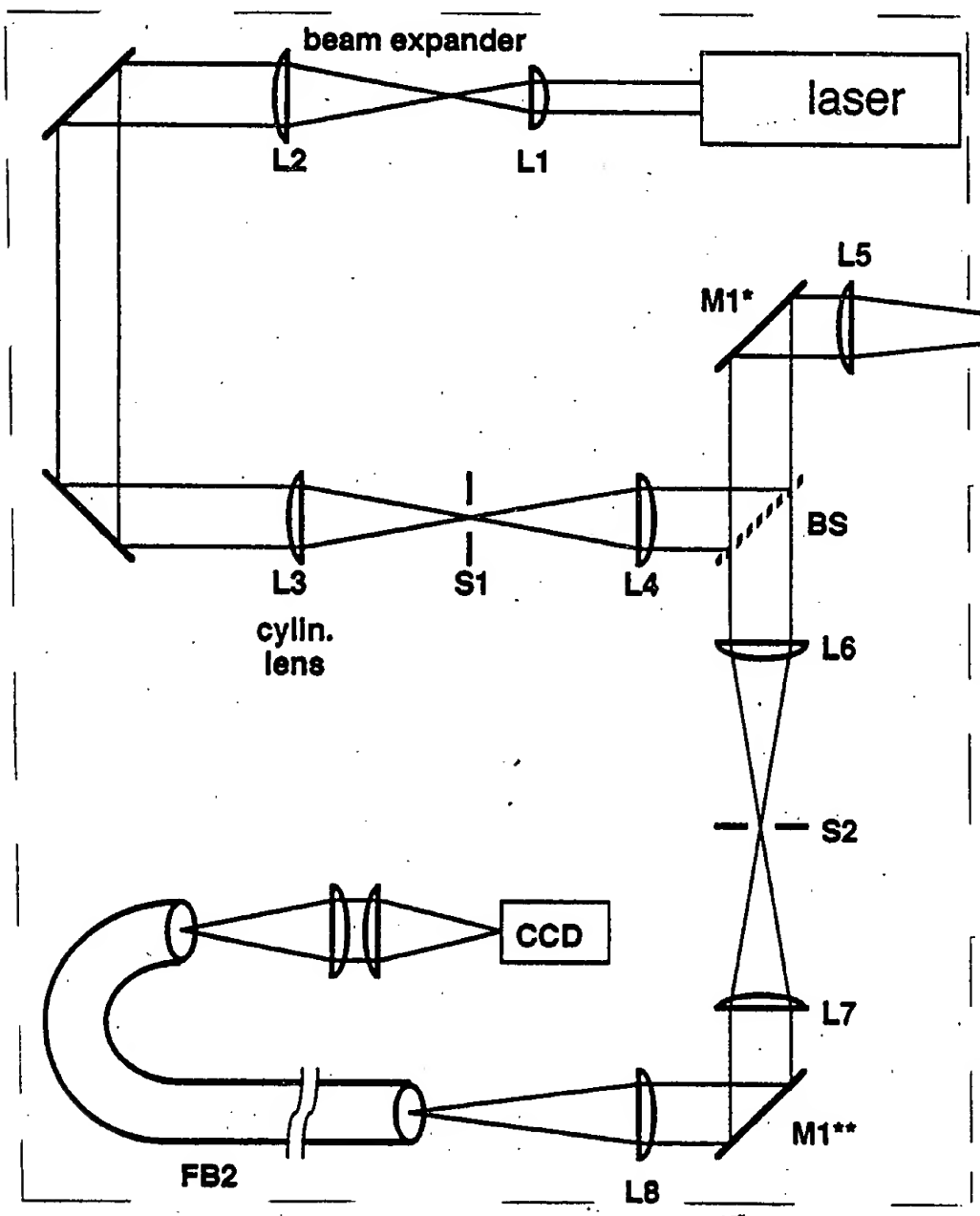
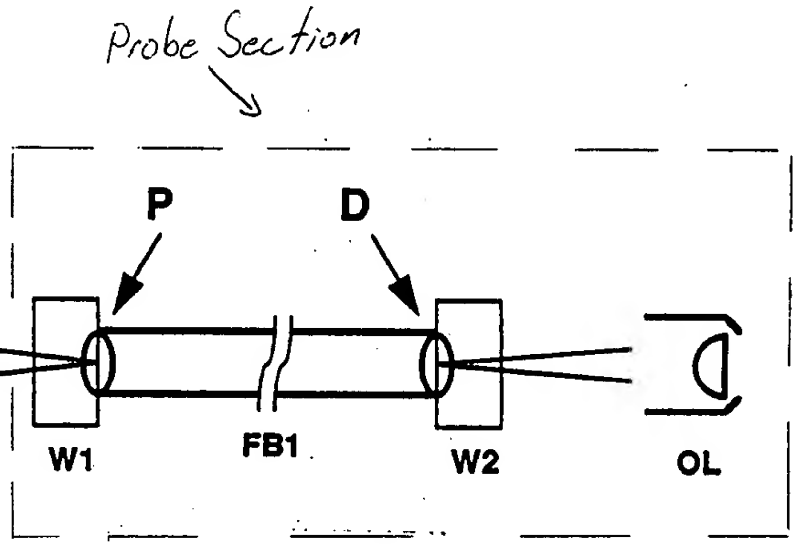


FIG. 2B

Excitation beam path
L1: 50 mm f.l.
L2: 150 mm f.l.
L3: cylindrical lens 75 mm f.l.
S1: slit aperture, 25 μm wide x 3 mm long
L4: 75 mm f.l.
BS: beam splitter (dichroic if used in fluorescence)
M1* : front side of bilateral scanning mirror
L5: 150 mm f.l.
W1 & W2: glass windows index matched to fiber bundle (not needed for fluorescence)
OL: objective lens

Return beam path
L6: 75 mm f.l.
S2: slit aperture, 25 μm wide x 3 mm long
DET: linear detector array or line scan camera





← Illuminating and Imaging Section

Excitation beam path
L1: 50 mm f.l.
L2: 150 mm f.l.
L3: cylindrical lens 75 mm f.l.
S1: slit aperture, 25 μm wide x 3 mm long
L4: 75 mm f.l.
BS: beam splitter (dichroic if used in fluorescence)
M1* : front side of bilateral scanning mirror
L5: 150 mm f.l.
W1 & W2: glass windows index matched to fiber bundle (not needed for fluorescence)
FB1: fiber bundle
OL: objective lens

Return beam path
L6: 75 mm f.l.
S2: slit aperture, 25 μm wide x 3 mm long
L7: 75 mm f.l.
M1** : back side of bilateral scanning mirror
L8: 150 mm f.l.
FB2: identically mapped fiber bundle as FB1

FIG. 2C